

Serial No.: 10/773,507  
YPL-0080

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Taejoon KWON et al.  
Serial No.: 10/773,507  
Conf. No.: 6812  
Filed: 02/05/2004  
Art Unit: 1631  
Examiner: Shubo Zhou  
Title: SYSTEM AND METHOD FOR DESIGNING PROBES USING  
HETEROGENEOUS GENETIC INFORMATION, AND COMPUTER  
READABLE MEDIUM  
Att. Docket YPL-0080

**VIA EFS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE**

This Amendment and Response is submitted in reply to the Office Action dated  
November 16, 2007.

This response includes the following sections:

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 7 of this paper.